

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	199	(US-20020105732-\$ or US-20030053738-\$ or US-20050105913-\$ or US-20060008276-\$ or US-20060151044-\$ or US-20070081773-\$).did. or (US-6122425-\$ or US-5024534-\$ or US-5291570-\$ or US-6217211-\$ or US-4259543-\$ or US-4270049-\$ or US-4364656-\$ or US-4376248-\$ or US-4460159-\$ or US-4523257-\$ or US-4548567-\$ or US-4556930-\$ or US-4567366-\$ or US-4615583-\$ or US-4616317-\$ or US-4631400-\$ or US-4803353-\$ or US-4806086-\$ or US-4834479-\$ or US-4981333-\$ or US-5000539-\$ or US-5012087-\$ or US-5024503-\$ or US-5177808-\$ or US-5200615-\$ or US-5218356-\$).did. or (US-5239581-\$ or US-5263686-\$ or US-5274722-\$ or US-5301959-\$ or US-5304396-\$ or US-5315257-\$ or US-5315684-\$ or US-5328155-\$ or US-5333501-\$ or US-5345531-\$ or US-5347601-\$ or US-5347606-\$ or US-5355427-\$ or US-5371819-\$ or US-5371821-\$ or US-	US-PGPUB; USPAT	OR	ON	2007/09/26 17:47

5371827-\$ or US-  
5416875-\$ or US-  
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5784514-\$ or US-  
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		5809186-\$ or US- 5867295-\$ or US- 5879109-\$ or US- 5880865-\$ or US- 5892871-\$ or US- 5896216-\$ or US- 5896272-\$ or US- 5896474-\$).did. or (US- 5920802-\$ or US- 5930016-\$ or US- 5946193-\$ or US- 5950298-\$ or US- 5963562-\$ or US- 5966489-\$ or US- 5978537-\$ or US- 5995262-\$ or US- 6031233-\$ or US- 6031645-\$ or US- 6046832-\$ or US- 6055077-\$ or US- 6115937-\$ or US- 6122971-\$ or US- 6134035-\$ or US- 6137932-\$ or US- 6176022-\$ or US- 6236790-\$ or US- 6238249-\$ or US- 4244045-\$ or US- 4245660-\$ or US- 4246475-\$ or US- 4257675-\$ or US- 4272155-\$ or US- 4279470-\$ or US- 4279468-\$ or US- 4281416-\$).did. or (US- 4281253-\$ or US- 4296997-\$ or US- 4296996-\$ or US- 4300239-\$ or US- 4314741-\$).did.				
S2	0	S1 and ((gas oil) with (well bore) and fiber with sensor near gas)	US-PGPUB; USPAT	OR	ON	2007/09/26 17:48
S3	96	((gas oil) with (well bore) and fiber with sensor near gas)	US-PGPUB; USPAT	OR	ON	2007/09/26 18:39
S4	36	optical near fiber and (pipeline (well near bore)) and gas with sensor with leak\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/26 18:16
S5	7	(fiber near optical near cable and (gas oil) with pipeline and leak\$5 with detect\$5 same fiber\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/26 18:17

S6	1	("6804008").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/26 18:40
S7	502	optical near fiber near sensor and bragg near grating and (gas oil pipeline well bore)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/26 20:46
S8	333	S7 and @ad<"20031023"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/26 18:41
S9	8	S8 and leak\$5 with detect \$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/26 18:44
S10	23	S8 and pipeline	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/26 18:44
S11	14	(US-20030192692-\$ or US-20050046861-\$ or US- 20040216514-\$ or US- 20020125413-\$).did. or (US-4661320-\$ or US- 5166990-\$ or US- 5233194-\$ or US- 6725705-\$ or US- 6804008-\$ or US- 4590462-\$ or US- 5208465-\$ or US- 6753520-\$ or US- 6876786-\$).did. or (CN- 1414283-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/09/26 18:47
S12	107	optical near fiber near cable and (pipeline with gas or (oil near well bore)) and sensor and leak \$5 with detection	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/26 20:57
S13	2060	optical near fiber near cable and (pipeline with gas or (oil near well bore))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/26 20:57
S14	78	optical near fiber near cable and (pipeline with gas)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/09/28 12:30
S15	2	((("5445795") or ("5647435")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/09 10:50

S16	30	("4032297"   "4159304"   "4245997"   "4668635"   "4752447"   "4782234"   "4826774"   "4846548"   "4863694"   "4892383"   "4897551"   "4913881"   "4963324"   "4973561"   "5010776"   "5039491"   "5157261"   "5186153"   "5244813"   "Re31879"). PN. OR ("5445795"). URFN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/09 10:52
S18	1	S17 and (cable near3 (jacket buffer coat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/09 10:55
S19	42	(gas near detector) and (optic\$ near fiber near detector)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/09 10:56
S20	1	S19 and pipeline	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/04/09 10:58
S21	2	((("4756510") or ("4654520")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/09 11:03
S22	36	((polyamide amide) with grating)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/28 18:49
S23	1	(10/992047).APP.	USPAT; USOCR	OR	OFF	2009/02/28 18:50
S24	2	("6016702"   "6668105"). PN. OR ("7050662"). URFN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 18:50
S25	6549	((polyamide amide) near4 rubber)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/28 18:51
S26	2614	S25 and coating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/28 18:51
S27	36	S26 and optical near fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/28 18:51
S28	7	S22 and (gas oil)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/28 19:04
S29	0	(09/797512).APP.	USPAT; USOCR	OR	OFF	2009/02/28 19:11

S30	28	(US-20040216514-\$ or US-20040048131-\$ or US-20050046861-\$ or US-20030192692-\$ or US-20020125413-\$ or US-20070081773-\$).did. or (US-6725705-\$ or US-4590462-\$ or US-5166990-\$ or US-4661320-\$ or US-6753520-\$ or US-5233194-\$ or US-6804008-\$ or US-6876786-\$ or US-6536463-\$ or US-6561488-\$ or US-5208465-\$ or US-6067392-\$ or US-6016702-\$).did. or (JP-04115205-\$).did. or (CN-1330438-\$ or CA-2105094-\$ or JP-11095040-\$ or BE-1014702-\$ or EP-978715-\$ or CN-1414283-\$ or GB-2368119-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2009/02/28 19:27
S31	16	S30 and leak\$5	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2009/02/28 19:27
S32	1	("6586723").FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/28 19:35
S33	30	voet.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/28 19:43
S34	176	voet.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/02/28 19:43

12/ 5/ 2009 1:10:29 PM

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Optical Fiber w Gas Sensor for Pipeline Application.wsp